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2

 RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/089,508

 DATE: 04/17/2002  
 TIME: 11:26:53

 Input Set : A:\seqlist.txt  
 Output Set: N:\CRF3\04172002\J089508.raw

ENTERED

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10  <110> APPLICANT: Abuin, Alejandro
11  Clapham, Hohn
12  <120> TITLE OF INVENTION: Transgenic Rodent Comprising A Polynucleotide Encoding A
13  Human UCP3 Polypeptide
14  <130> FILE REFERENCE: P32426
C--> 14  <140> CURRENT APPLICATION NUMBER: US/10/089,508
C--> 14  <141> CURRENT FILING DATE: 2002-03-28
14  <160> NUMBER OF SEQ ID NOS: 2
16  <170> SOFTWARE: FastSEQ for Windows Version 3.0
18  <210> SEQ ID NO: 1
19  <211> LENGTH: 936
20  <212> TYPE: DNA
21  <213> ORGANISM: Homo sapiens
23  <400> SEQUENCE: 1
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25  ggcacagcag cctgttttgc tgacctcggtt acctttccac tggacacagc caaggtccgc      120
26  ctgcagatcc agggggagaa ccaggcggtc cagacggccc ggctcgtgca gtacctgggc      180
27  gtgctgggca ccatcctgac catggtgcgg actgagggtc cctgcagccc ctacaatggg      240
28  ctggtggccc gccctgcagc ccagatgagc ttgcctccca tccgcctcgg cctctacgac      300
29  tccgtcaagc agtgttacac ccccaaggc gcggacaact ccagcctcac taccgcgatt      360
30  ttggcccgct gcaccacagg agccatggcg gtgacctgtg ccagccccc agatgtgggtg      420
31  aaggtccgat ttacggccag catcaccttc gggccatcca ggagcgacag aaatcacagc      480
32  gggactatgg acgctcacag aaccatcgcc agggaggaag gagtcagggg cctgtggaaa      540
33  ggaactttgc ccaacatcat gaggaatgtc atcgtaactt gtgctgaggt ggtgaacctac      600
34  gacatcctca agagaagact gctggactac cactgtctca ctgacaactt cccctgccac      660
35  ttgtctctgc ccttggagc cggtctctgt gccacagtgg tggcctcccc ggtggacgtg      720
36  gtaagacccc ggtatatgaa ctacactcca ggccagtact tcagccccc cgactgtgat      780
37  ataaagatgg tggcccagga ggcccacaca gcctcttaca agggatttac accctccttt      840
38  ttgcgtttgg gatcctggaa cgtggtgatg ttcgtaacct atgagcagct gaaacggggc      900
39  ctgatgaaag tcacagatgtt acgggaatca cegttt
41  <210> SEQ ID NO: 2
42  <211> LENGTH: 312
43  <212> TYPE: PRT
44  <213> ORGANISM: Homo sapiens
46  <400> SEQUENCE: 2
47  Met Val Gly Leu Lys Pro Ser Asp Val Pro Thr Met Ala Val Lys
48  1          5          10          15
49  Phe Leu Gly Ala Gly Thr Ala Ala Cys Phe Ala Asp Leu Val Thr Phe
50  20          25          30
51  Pro Leu Asp Thr Ala Lys Val Arg Leu Gln Ile Gln Gly Glu Asn Gln
52  35          40          45
53  Ala Val Gln Thr Ala Arg Leu Val Gln Tyr Arg Gly Val Leu Gly Thr
54  50          55          60

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```

55 Ile Leu Thr Met Val Arg Thr Glu Gly Pro Cys Ser Pro Tyr Asn Gly
56 65 70 75 80
57 Leu Val Ala Gly Leu Gln Arg Gln Met Ser Phe Ala Ser Ile Arg Ile
58 85 90 95
59 Gly Leu Tyr Asp Ser Val Lys Gln Val Tyr Thr Pro Lys Gly Ala Asp
60 100 105 110
61 Asn Ser Ser Leu Thr Thr Arg Ile Leu Ala Gly Cys Thr Thr Gly Ala
62 115 120 125
63 Met Ala Val Thr Cys Ala Gln Pro Thr Asp Val Val Lys Val Arg Phe
64 130 135 140
65 Gln Ala Ser Ile His Leu Gly Pro Ser Arg Ser Asp Arg Lys Tyr Ser
66 145 150 155 160
67 Gly Thr Met Asp Ala Tyr Arg Thr Ile Ala Arg Glu Glu Gly Val Arg
68 165 170 175
69 Gly Leu Trp Lys Gly Thr Leu Pro Asn Ile Met Arg Asn Ala Ile Val
70 180 185 190
71 Asn Cys Ala Glu Val Val Thr Tyr Asp Ile Leu Lys Glu Lys Leu Leu
72 195 200 205
73 Asp Tyr His Leu Leu Thr Asp Asn Phe Pro Cys His Phe Val Ser Ala
74 210 215 220
75 Phe Gly Ala Gly Phe Cys Ala Thr Val Val Ala Ser Pro Val Asp Val
76 225 230 235 240
77 Val Lys Thr Arg Tyr Met Asn Ser Pro Pro Gly Gln Tyr Phe Ser Pro
78 245 250 255
79 Leu Asp Cys Met Ile Lys Met Val Ala Gln Glu Gly Pro Thr Ala Phe
80 260 265 270
81 Tyr Lys Gly Phe Thr Pro Ser Phe Leu Arg Leu Gly Ser Trp Asn Val
82 275 280 285
83 Val Met Phe Val Thr Tyr Glu Gln Leu Lys Arg Ala Leu Met Lys Val
84 290 295 300
85 Gln Met Leu Arg Glu Ser Pro Phe
86 305 310

```

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date